

Abstract

ARRANGEMENT AND METHOD FOR CONTROLLING TRANSMISSION AND/OR
RECEPTION OF SIGNALS IN A RADIO COMMUNICATIONS SYSTEM

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According to one aspect of the invention, an arrangement for controlling transmission and/or reception of signals in a radio communications system is disclosed, comprising transceiving means (TX,RX) each connected to one element of an array 10 of antenna elements (#1...#n), wherein at least one of said transceiving means (TX,RX) is additionally connected to a calibration antenna for transmitting and/or receiving test signals to and/or from said antenna elements (#1...#n), at least one calibration processor for determining variations of 15 said test signals in said transceiving means (TX,RX), and a beamforming processor for taking into account the determined variations for beamforming and/or determination of direction of arrival of respectively transmitted and received radio signals by said antenna elements (#1...#n).

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FIG 4